AMENDMENTS TO THE CLAIMS

Claim 1 (Currently Amended): An irradiation apparatus for photodynamic therapy comprising

a discharge lamp which has a function to emit light in the wavelength region where there is the main absorption of a photosensitizer between 600nm and 800nm, where said discharge lamp is filled with 0.1 μmol/cm^3 or more of at least one selected from the group consisting of lithium ~~(Li),~~ (Li) and sodium (Na) ~~, rubidium (Rb), and potassium (K)~~ as an emitting element, and further filled with at least one rare gas selected from the group consisting of neon (Ne), argon (Ar), krypton (Kr) and xenon (Xe); and

a lighting system capable of applying a light radiated from the discharge lamp to a photosensitizer having a relatively large absorption coefficient within the range of the wavelengths of 600nm-800nm, where the lighting system includes a mirror which surrounds the discharge lamp, a filter that cuts out light of a wavelength greater than 800nm and light of a wavelength less than 600nm, and a lens head.

Claim 2 (Currently Amended): The irradiation apparatus for photodynamic therapy of Claim 1, wherein ~~lithium (Li)~~ said discharge lamp is filled with 0.1 - 100 μmol/cm^3 of lithium (Li) as the emitting element for radiating the lights of 600nm-640nm, and 660nm-720nm of the wavelength region of the main absorption of a photosensitizer.

Claims 3-6 (Canceled)

Claim 7 (Currently Amended): The irradiation apparatus for photodynamic therapy of Claim 1, wherein 0.1 - 1000 μmol/cm^3 of mercury (Hg) is further filled for increasing line in the emission spectrum of said lithium ~~(Li),~~ (Li) and sodium (Na) ~~, rubidium (Rb), and potassium (K)~~.

Claims 8-13 (Canceled)

Claim 14 (Previously Presented): The irradiation apparatus for photodynamic therapy of Claim 1, wherein halogen is also filled into said discharge lamp.

Claims 15-20 (Canceled)

Claim 21 (New): The irradiation apparatus for photodynamic therapy of Claim 1, wherein the mirror is opaque.